

**Table 4.1**  
**Quarterly Off-Post Groundwater Monitoring Analytical Results - Detected Constituents, December, 2001**

Sample ID Sample Date Sample Type Lab Sample ID				FO-J1 12/20/01 N AP26876				HS-2 12/19/01 N AP26772				HS-3 12/19/01 N AP26773				I10-2 12/18/01 N AP26730				I10-4 12/19/01 N AP26778				JW-9 12/19/01 N AP26779				JW-14 12/20/01 N AP26877			
Water Comparison Criteria			Lab MDL	Lab RL	MCL	Result	Flag	Dilution	SQL	Result	Flag	Dilution	SQL	Result	Flag	Dilution	SQL	Result	Flag	Dilution	SQL	Result	Flag	Dilution	SQL	Result	Flag	Dilution	SQL		
SW8260 (UG/L)																															
Acetone	1.45	5.0	-	0.12	U	1	0.8	0.12	U	1	0.8	0.12	U	1	0.8	0.12	U	1	0.8	0.12	U	1	0.8	0.12	U	1	0.8	0.12	U	1	0.8
Bromodichloromethane	0.12	0.80	100	0.14	U	1	1.2	0.14	U	1	1.2	0.14	U	1	1.2	0.14	U	1	1.2	0.14	U	1	1.2	0.14	U	1	1.2	0.14	U	1	1.2
Bromoform	0.14	1.2	-	0.06	U	1	0.3	0.06	U	1	0.3	0.06	U	1	0.3	0.06	U	1	0.3	0.06	U	1	0.3	0.06	U	1	0.3	0.06	U	1	0.3
Chloroform	0.06	0.3	100	0.09	U	1	0.5	0.09	U	1	0.5	0.09	U	1	0.5	0.09	U	1	0.5	0.09	U	1	0.5	0.09	U	1	0.5	0.09	U	1	0.5
Dibromochloromethane	0.09	0.5	-	0.24	U	1	1.0	0.24	U	1	1.0	0.24	U	1	1.0	0.24	U	1	1.0	0.24	U	1	1.0	0.24	U	1	1.0	0.24	U	1	1.0
Dichlorodifluoromethane	0.24	1.0	-	0.10	U	1	0.6	0.10	U	1	0.6	0.10	U	1	0.6	0.11	F	1	0.6	0.11	F	1	0.6	0.10	U	1	0.6	0.10	U	1	0.6
Dichloroethane, 1,2-	0.1	0.6	5	0.11	U	1	0.6	0.11	U	1	0.6	0.11	U	1	0.6	0.11	U	1	0.6	0.11	U	1	0.6	0.33	F	1	1.2	0.11	U	1	1.2
Dichloroethene, cis-1,2-	0.11	1.2	70	0.30	F	1	1.2	0.11	U	1	1.2	0.11	U	1	1.2	0.11	U	1	1.2	0.11	U	1	1.2	0.33	F	1	1.2	0.11	U	1	1.2
Methylene chloride	0.19	1.0	5	0.38	F	1	1.0	0.40	F	1	1.0	0.38	F	1	1.0	0.21	F	1	1.0	0.19	U	1	1.0	0.19	F	1	1.0	0.93	F	1	1.0
Tetrachloroethylene	0.11	1.4	5	0.11	U	1	1.4	0.16	F	1	1.4	0.11	U	1	1.4	0.16	F	1	1.4	0.12	F	1	1.4	0.11	U	1	1.4	0.11	U	1	1.4
Trichloroethylene	0.14	1.0	5	0.14	U	1	1.0	0.14	U	1	1.0	0.14	U	1	1.0	0.22	F	1	1.0	0.14	U	1	1.0	0.14	U	1	1.0	0.14	U	1	1.0
SW8260 (UG/L)																															
Acetone	1.45	5.0	-	0.12	U	1	0.8	0.12	U	1	0.8	0.12	U	1	0.8	0.12	U	1	0.8	0.12	U	1	0.8	0.12	U	1	0.8	0.12	U	1	0.8
Bromodichloromethane	0.12	0.80	100	0.14	U	1	1.2	0.14	U	1	1.2	0.14	U	1	1.2	0.14	U	1	1.2	0.14	U	1	1.2	0.14	U	1	1.2	0.14	U	1	1.2
Bromoform	0.14	1.2	-	1.83	U	1	0.3	0.27	F	1	0.3	0.2	F	1	0.3	0.65	U	1	0.3	0.15	F	1	0.3	0.10	F	1	0.3	3.1	U	1	0.3
Chloroform	0.06	0.3	100	0.09	U	1	0.5	0.09	U	1	0.5	0.09	U	1	0.5	0.22	F	1	0.5	0.09	U	1	0.5	0.09	U	1	0.5	9.4	U	1	0.5
Dibromochloromethane	0.09	0.5	-	0.24	U	1	1.0	0.24	U	1	1.0	0.24	U	1	1.0	0.24	U	1	1.0	0.24	U	1	1.0	0.24	U	1	1.0	0.24	U	1	1.0
Dichlorodifluoromethane	0.24	1.0	-	0.10	U	1	0.6	0.10	U	1	0.6	0.1	U	1	0.6	0.1	U	1	0.6	0.1	U	1	0.6	0.1	U	1	0.6	0.1	U	1	0.6
Dichloroethane, 1,2-	0.1	0.6	5	0.11	U	1	0.6	0.11	U	1	0.6	0.11	U	1	0.6	0.11	U	1	0.6	0.11	U	1	0.6	0.11	U	1	0.6	0.1	U	1	0.6
Dichloroethene, cis-1,2-	0.11	1.2	70	0.11	U	1	1.2	0.11	U	1	1.2	0.11	U	1	1.2	0.11	U	1	1.2	0.11	U	1	1.2	0.11	U	1	1.2	0.11	U	1	1.2
Methylene chloride	0.19	1.0	5	0.40	F	1	1.0	0.22	F	1	1.0	0.19	U	1	1.0	0.19	U	1	1.0	0.19	U	1	1.0	0.19	U	1	1.0	0.19	U	1	1.0
Tetrachloroethylene	0.11	1.4	5	0.11	U	1	1.4	0.65	F	1	1.4	4.6	U	1	1.4	3.2	U	1	1.4	2.7	U	1	1.4	3.45	U	1	1.4	0.54	F	1	1.4
Trichloroethylene	0.14	1.0	5	0.14	U	1	1.0	0.26	F	1	1.0	0.17	F	1	1.0	0.14	U	1	1.0	0.14	U	1	1.0	0.20	F	1	1.0	0.18	F	1	1.0

**Bold** Value > or = MCL  
**Bold** MCL > Value > or = RL  
**Bold** RL > Value > MDL

Tables present all laboratory results for analytes detected above the method detection limit.  
Results from all laboratory analysis are presented in Appendix B.  
All samples were analyzed by APPL Inc.  
Referenced laboratory package number: APPL Inc.: 36485, 36538, 36527, 36600, 36730,  
36936, 37183, 37184, 37198, 37199, 37209, 38228.

**Abbreviations/Notes:**  
-- No risk reduction standard or background level available  
FD1 Field Duplicate  
MDL Method Detection Limit  
N1 Environmental Sample  
RL Reporting Limit  
SQL Sample Quantitation Limit  
MCL Maximum Contamination Level

**Data Qualifiers:**  
F- The analyte was positively identified but the associated numerical value is below the RL.  
J- The analyte was positively identified, the quantitation is an estimation.  
U- The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL.  
R- The data are unusable due to deficiencies in the ability to analyze the sample and meet QC criteria.  
M- Matrix Effect Present

**Table 4.1**  
**Quarterly Off-Post Groundwater Monitoring Analytical Results - Detected Constituents, December, 2001**

Sample ID Sample Date Sample Type Lab Sample ID				LS-2/LS-3 EP 11/14/01 N AP25269				LS-3 09/27/01 N AP22602				LS-3 10/04/01 N AP22870				LS-3 11/14/01 N AP25268				LS-3 12/19/01 N AP26776				LS-4 12/19/01 N AP26775				LS-5 10/25/01 N AP24132					
Water Comparison Criteria			Lab MDL	Lab RL	MCL	Result	Flag	Dilution	SQL	Result	Flag	Dilution	SQL	Result	Flag	Dilution	SQL	Result	Flag	Dilution	SQL	Result	Flag	Dilution	SQL	Result	Flag	Dilution	SQL				
SW8260 (UG/L)	Acetone	1.45	5.0	-		1.45	U	1	5.0	1.45	U	1	5.0	0.12	U	1	0.8	0.12	U	1	0.8	0.12	U	1	0.8	0.12	U	1	0.8				
Bromodichloromethane	0.12	0.80	100		2.8		1	0.8	0.12	U	1	0.8	0.12	U	1	0.8	0.12	U	1	0.8	0.12	U	1	0.8	0.12	U	1	0.8					
Bromoform	0.14	1.2	-		2.9		1	1.2	0.14	U	1	1.2	0.14	U	1	1.2	0.14	U	1	1.2	0.14	U	1	1.2	0.14	U	1	1.2					
Chloroform	0.06	0.3	100		0.92		1	0.3	0.13	F	1	0.3	0.13	F	1	0.3	0.06	U	1	0.3	0.06	U	1	0.3	0.06	U	1	0.3					
Dibromochloromethane	0.09	0.5	-		4.9		1	0.5	0.09	U	1	0.5	0.09	U	1	0.5	0.09	U	1	0.5	0.09	U	1	0.5	0.09	U	1	0.5					
Dichlorodifluoromethane	0.24	1.0	-		0.24		U	1	1.0	0.24	U	1	1.0	0.24	U	1	1.0	0.24	U	1	1.0	0.24	U	1	1.0	0.24	U	1	1.0				
Dichloroethane, 1,2-	0.1	0.6	5		0.19		F	1	0.6	0.1	U	1	0.6	0.1	U	1	0.6	0.1	U	1	0.6	0.10	U	1	0.6	0.1	U	1	0.6				
Dichloroethene, cis-1,2-	0.11	1.2	70		0.11		U	1	1.2	0.11	U	1	1.2	0.11	U	1	1.2	0.11	U	1	1.2	0.11	U	1	1.2	0.11	U	1	1.2				
Methylene chloride	0.19	1.0	5		0.19		U	1	1.0	0.19	U	1	1.0	0.19	U	1	1.0	0.19	U	1	1.0	0.29	F	1	1.0	0.20	F	1	1.0				
Tetrachloroethene	0.11	1.4	5		0.83		F	1	1.4	4.8		1	1.4	3.7		1	1.4	1.3	F	1	1.4	4.29		1	1.4	0.23	F	1	1.4	0.15	F	1	1.4
Trichloroethene	0.14	1.0	5		0.16		F	1	1.0	0.43	F	1	1.0	0.45	F	1	1.0	0.8	F	1	1.0	0.27	F	1	1.0	0.27	F	1	1.0				
Sample ID Sample Date Sample Type Lab Sample ID				LS-5 12/19/01 N AP26780				LS-6 09/27/01 N AP22603				LS-6 PRE 12/18/2001 N AP26723				LS-6 POST 12/18/2001 N AP26724				LS-7 PRE 09/27/01 N AP22604				LS-7 PRE 12/18/2001 N AP26725				LS-7 POST 12/18/2001 N AP26726					
Water Comparison Criteria			Lab MDL	Lab RL	MCL	Result	Flag	Dilution	SQL	Result	Flag	Dilution	SQL	Result	Flag	Dilution	SQL	Result	Flag	Dilution	SQL	Result	Flag	Dilution	SQL	Result	Flag	Dilution	SQL				
SW8260 (UG/L)	Acetone	1.45	5.0	-		1.45	U	1	5.0	0.12	U	1	0.8	0.12	U	1	0.8	0.12	U	1	0.8	0.12	U	1	0.8	0.12	U	1	0.8				
Bromodichloromethane	0.12	0.80	100		0.12		U	1	0.8	0.12	U	1	0.8	0.12	U	1	0.8	0.12	U	1	0.8	0.12	U	1	0.8	0.12	U	1	0.8				
Bromoform	0.14	1.2	-		0.14		U	1	1.2	0.14	U	1	1.2	0.14	U	1	1.2	0.14	U	1	1.2	0.14	U	1	1.2	0.14	U	1	1.2				
Chloroform	0.06	0.3	100		0.06		U	1	0.3	0.06	U	1	0.3	0.06	U	1	0.3	0.06	U	1	0.3	0.06	U	1	0.3	0.06	U	1	0.3				
Dibromochloromethane	0.09	0.5	-		0.09		U	1	0.5	0.09	U	1	0.5	0.09	U	1	0.5	0.09	U	1	0.5	0.09	U	1	0.5	0.09	U	1	0.5				
Dichlorodifluoromethane	0.24	1.0	-		0.24		U	1	1.0	0.24	U	1	1.0	0.24	U	1	1.0	0.24	U	1	1.0	0.24	U	1	1.0	0.24	U	1	1.0				
Dichloroethane, 1,2-	0.1	0.6	5		0.10		U	1	0.6	0.1	U	1	0.6	0.10	U	1	0.6	0.10	U	1	0.6	0.10	U	1	0.6	0.10	U	1	0.6				
Dichloroethene, cis-1,2-	0.11	1.2	70		0.11		U	1	1.2	0.11	U	1	1.2	0.11	U	1	1.2	0.11	U	1	1.2	0.11	U	1	1.2	0.11	U	1	1.2				
Methylene chloride	0.19	1.0	5		0.19		U	1	1.0	0.19	U	1	1.0	0.33	F	1	1.0	0.29	F	1	1.0	0.19	U	1	1.0	0.39	F	1	1.0	0.30	F	1	1.0
Tetrachloroethene	0.11	1.4	5		0.11		U	1	1.4	10.0		1	1.4	1.97		1	1.4	0.11	U	1	1.4	3.3		1	1.4	1.40		1	1.4	0.11	U	1	1.4
Trichloroethene	0.14	1.0	5		0.32		F	1	1.0	0.19	F	1	1.0	0.14	U	1	1.0	0.14	U	1	1.0	0.34	F	1	1.0	0.14	U	1	1.0	0.14	U	1	1.0

**Bold** Value > or = MCL

All samples were analyzed by APPL Inc.

Referenced laboratory package number: APPL Inc.: 36485, 36538, 36527, 36600, 36730, 36936, 37183, 37184, 37198, 37199, 37209, 38228.

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RL > Value > MDL

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FD1 Field Duplicate

MDL Method Detection Limit

N1 Environmental Sample

RL Reporting Limit

SQL Sample Quantitation Limit

MCL Maximum Contamination Level

#### Data Qualifiers:

F- The analyte was positively identified but the associated numerical value is below the RL.

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M- Matrix Effect Present

**Table 4.1**  
**Quarterly Off-Post Groundwater Monitoring Analytical Results - Detected Constituents, December, 2001**

Sample ID Sample Date Sample Type Lab Sample ID				OFR-1 12/20/01 N AP26879			OFR-3 10/25/01 N AP24133			OFR-3 12/18/01 N AP26728			RFR-9 12/20/01 N AP26880			RFR-10 10/03/01 N AP22809			RFR-10 TAP-H 10/03/01 N AP22811			RFR-10 TAP-T 10/03/01 N AP22810			
Water Comparison Criteria			Lab MDL	Lab RL	MCL	Result	Flag	Dilution	SQL	Result	Flag	Dilution	SQL	Result	Flag	Dilution	SQL	Result	Flag	Dilution	SQL	Result	Flag	Dilution	SQL
SW8260 (UG/L)																									
Acetone	1.45	5.0	-	0.12	U	1	0.8	0.12	U	1	0.8	0.12	U	1	0.8	0.12	U	1	0.8	0.12	U	1	0.8	0.12	
Bromodichloromethane	0.12	0.80	100	0.14	U	1	1.2	0.14	U	1	1.2	0.14	U	1	1.2	0.14	U	1	1.2	0.14	U	1	1.2	0.14	
Bromoform	0.14	1.2	-	0.06	U	1	0.3	0.06	U	1	0.3	0.06	U	1	0.3	0.06	U	1	0.3	0.06	U	1	0.3	0.06	
Chloroform	0.06	0.3	100	0.09	U	1	0.5	0.09	U	1	0.5	0.09	U	1	0.5	0.09	U	1	0.5	0.09	U	1	0.5	0.09	
Dibromochloromethane	0.09	0.5	-	0.24	U	1	1.0	<b>0.75</b>	F	1	1.0	<b>0.39</b>	F	1	1.0	0.24	U	1	1.0	0.24	U	1	1.0	0.24	
Dichlorodifluoromethane	0.24	1.0	-	0.10	U	1	0.6	0.1	U	1	0.6	0.10	U	1	0.6	0.10	U	1	0.6	0.10	U	1	0.6	0.10	
Dichloroethane, 1,2-	0.1	0.6	5	0.11	U	1	1.2	0.11	U	1	1.2	0.11	U	1	1.2	<b>0.49</b>	F	1	1.2	<b>0.48</b>	F	1	1.2	<b>0.46</b>	
Dichloroethene, cis-1,2-	0.11	1.2	70	0.19	U	1	0.6	0.11	U	1	0.6	0.11	U	1	0.6	0.11	U	1	0.6	0.11	U	1	0.6	0.11	
Methylene chloride	0.19	1.0	5	<b>0.63</b>	F	1	1.0	0.19	U	1	1.0	<b>0.26</b>	F	1	1.0	<b>0.52</b>	F	1	1.0	0.19	U	1	1.0	0.19	
Tetrachloroethylene	0.11	1.4	5	<b>0.42</b>	F	1	1.4	<b>4.2</b>		1	1.4	<b>1.90</b>		1	1.4	<b>0.11</b>	U	1	1.4	<b>19.0</b>		1	1.4	<b>19.0</b>	
Trichloroethylene	0.14	1.0	5	0.14	U	1	1.0	<b>2.2</b>		1	1.0	0.14	U	1	1.0	<b>8.7</b>		1	1.0	<b>7.5</b>		1	1.0	<b>9.4</b>	
SW8260 (UG/L)																									
Acetone	1.45	5.0	-	0.12	U	1	0.8	0.12	U	1	0.8	0.12	U	1	0.8	0.12	U	1	0.8	0.12	U	1	0.8	0.12	
Bromodichloromethane	0.12	0.80	100	0.14	U	1	1.2	0.14	U	1	1.2	0.14	U	1	1.2	0.14	U	1	1.2	0.14	U	1	1.2	0.14	
Bromoform	0.14	1.2	-	0.06	U	1	0.3	0.06	U	1	0.3	0.06	U	1	0.3	0.06	U	1	0.3	0.06	U	1	0.3	0.06	
Chloroform	0.06	0.3	100	0.09	U	1	0.5	0.09	U	1	0.5	0.09	U	1	0.5	0.09	U	1	0.5	0.09	U	1	0.5	0.09	
Dibromochloromethane	0.09	0.5	-	0.24	U	1	1.0	0.24	U	1	1.0	0.24	U	1	1.0	0.24	U	1	1.0	0.24	U	1	1.0	0.24	
Dichlorodifluoromethane	0.24	1.0	-	0.1	U	1	0.6	0.10	U	1	0.6	0.10	U	1	0.6	0.10	U	1	0.6	0.10	U	1	0.6	0.10	
Dichloroethane, 1,2-	0.1	0.6	5	0.49	F	1	1.2	<b>0.26</b>	F	1	1.2	0.11	U	1	1.2	0.11	U	1	1.2	0.11	U	1	1.2	0.11	
Dichloroethene, cis-1,2-	0.11	1.2	70	0.19	U	1	1.0	<b>0.30</b>	F	1	1.0	<b>0.96</b>	F	1	1.0	0.19	U	1	1.0	0.19	U	1	1.0	<b>0.24</b>	
Methylene chloride	0.19	1.0	5	<b>20.89</b>		1	1.4	<b>9.02</b>		1	1.4	0.11	U	1	1.4	<b>16.0</b>		1	1.4	<b>16.73</b>		1	1.4	<b>12.44</b>	
Tetrachloroethylene	0.11	1.4	5	<b>8.21</b>		1	1.0	<b>5.85</b>		1	1.0	0.14	U	1	1.0	<b>0.35</b>	F	1	1.0	<b>0.58</b>	F	1	1.0	0.14	
SW8260 (UG/L)																									
Acetone	1.45	5.0	-	0.12	U	1	0.8	0.12	U	1	0.8	0.12	U	1	0.8	0.12	U	1	0.8	0.12	U	1	0.8	0.12	
Bromodichloromethane	0.12	0.80	100	0.14	U	1	1.2	0.14	U	1	1.2	0.14	U	1	1.2	0.14	U	1	1.2	0.14	U	1	1.2	0.14	
Bromoform	0.14	1.2	-	0.06	U	1	0.3	0.06	U	1	0.3	0.06	U	1	0.3	0.06	U	1	0.3	0.06	U	1	0.3	0.06	
Chloroform	0.06	0.3	100	0.09	U	1	0.5	0.09	U	1	0.5	0.09	U	1	0.5	0.09	U	1	0.5	0.09	U	1	0.5	0.09	
Dibromochloromethane	0.09	0.5	-	0.24	U	1	1.0	0.24	U	1	1.0	0.24	U	1	1.0	0.24	U	1	1.0	0.24	U	1	1.0	0.24	
Dichlorodifluoromethane	0.24	1.0	-	0.10	U	1	0.6	0.10	U	1	0.6	0.10	U	1	0.6	0.10	U	1	0.6	0.10	U	1	0.6	0.10	
Dichloroethane, 1,2-	0.1	0.6	5	<b>0.12</b>	F	1	1.2	<b>0.12</b>	F	1	1.2	0.11	U	1	1.2	0.11	U	1	1.2	0.11	U	1	1.2	0.11	
Dichloroethene, cis-1,2-	0.11	1.2	70	0.11	U	1	1.2	0.11	U	1	1.2	0.11	U	1	1.2	0.11	U	1	1.2	0.11	U	1	1.2	0.11	
Methylene chloride	0.19	1.0	5	<b>0.38</b>	F	1	1.0	<b>0.38</b>	F	1	1.0	0.11	U	1	1.0	0.11	U	1	1.0	0.11	U	1	1.0	0.11	
Tetrachloroethylene	0.11	1.4	5	0.11	U	1	1.4	0.11	U	1	1.4	0.11	U	1	1.4	0.11	U	1	1.4	0.11	U	1	1.4	0.11	
Trichloroethylene	0.14	1.0	5	<b>0.15</b>	F	1	1.0	<b>0.15</b>	F	1	1.0	0.15	F	1	1.0	0.15	F	1	1.0	0.15	F	1	1.0	0.15	

Tables present all laboratory results for analytes detected above the method detection limit.  
 Results from all laboratory analysis are presented in Appendix B.  
 All samples were analyzed by APPL Inc.

Referenced laboratory package number: APPL Inc.: 36485, 36538, 36527, 36600, 36730, 36936,  
 37183, 37184, 37198, 37199, 37209, 38228.

#### Abbreviations/Notes:

— No risk reduction standard or background level available  
 FD1 Field Duplicate  
 MDL Method Detection Limit  
 N1 Environmental Sample  
 RL Reporting Limit  
 SQL Sample Quantitation Limit  
 MCL Maximum Contamination Level

**Bold** Value > or = MCL  
**Bold** MCL > Value > or = RL  
**Bold** RL > Value > MDL  
**Data Qualifiers:**  
 F- The analyte was positively identified but the associated numerical value is below the RL.  
 J- The analyte was positively identified, the quantitation is an estimation.  
 U- The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL.  
 R- The data are unusable due to deficiencies in the ability to analyze the sample and meet QC criteria.  
 M- Matrix Effect Present